



Coursera - AWS Elastic Beanstalk:Deploy a Python(Flask) Web Application

Generated on December 17, 2023

Summary

Notes

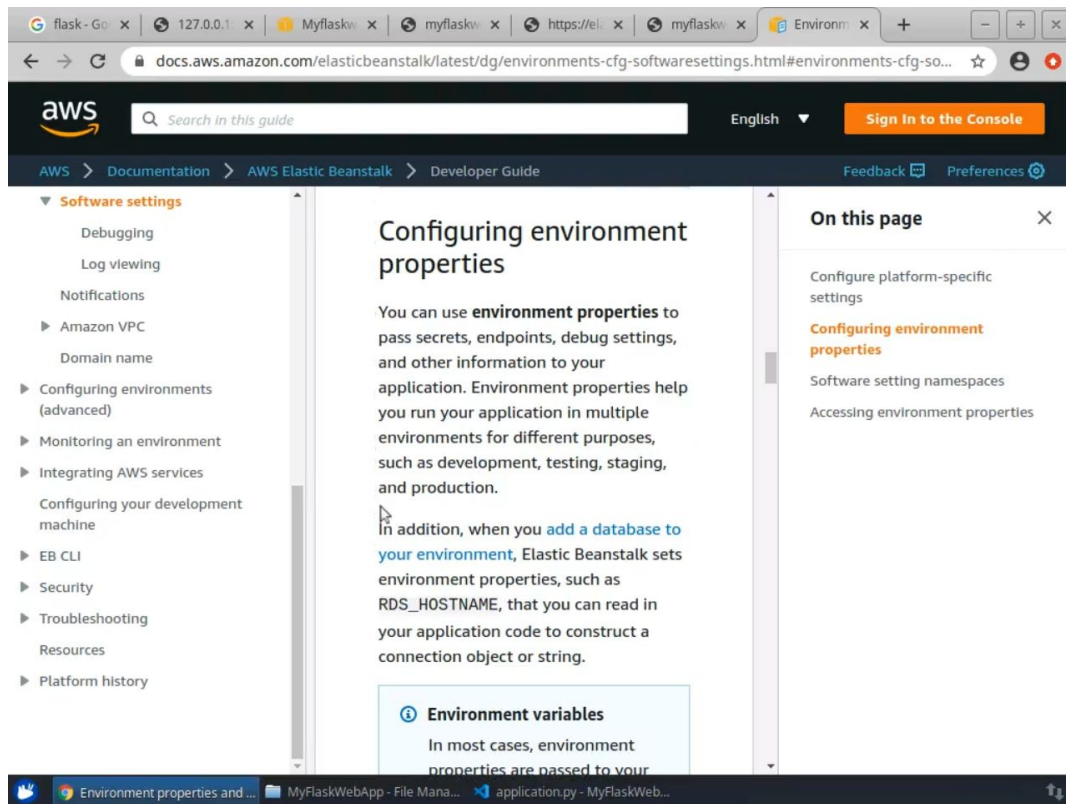
Screenshots

Bookmarks

2

16

0



flask - Google x 127.0.0.1:5000 x Myflaskweb x https://elastic x myflaskweb x environment x +

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environment/logs?applicationNa...

aws Services Resource Groups test @ 4five labs Ohio Support

Elastic Beanstalk

Environments

Applications

myFlaskWebApp

- Application versions
- Saved configurations

Myflaskwebapp-env

- Go to environment
- Configuration**
- Logs**
- Health
- Monitoring
- Alarms
- Managed updates
- Events

Logs

Click Request Logs to retrieve the last 100 lines of logs or the entire set of logs from each EC2 instance. [Learn more](#)

Request Logs Refresh

Log file	Time	EC2 instance	Type
Download	2020-09-18T20:23:10+00:00	i-0145b8d57aa401700	Last 100 Lines
Download	2020-09-18T20:30:10+00:00	i-0145b8d57aa401700	Last 100 Lines
Download	2020-09-18T21:37:20+00:00	i-0145b8d57aa401700	Last 100 Lines

us-east-2.console.aws.amazon.com/elasticbeanstalk/ho... © 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Myflaskwebapp-env - Logs - ... MyFlaskWebApp - File Mana... application.py - MyFlaskWeb...

1:25

flask - Google x 127.0.0.1:5000 x Myflaskweb x https://elastic x myflaskweb x environment x +

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environment/configuration?applic...

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Configuration overview

Cancel Review changes Apply configuration

Table View

Search for an option name or value

Category	Options	Actions
Software	Environment properties: PYTHONPATH Log streaming: disabled NumProcesses: 1 NumThreads: 15 Proxy server: nginx Rotate logs: disabled WSGIPath: application X-Ray daemon: disabled	Edit
	EC2 security groups: awseb-e-71kgl3ar5d-stack-AWSEBSecurityGroup-39JUGC8MSXSG	Edit

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Myflaskwebapp-env - Config... MyFlaskWebApp - File Mana... application.py - MyFlaskWeb...

1:29

flask - Google x 127.0.0.1:50 x Myflaskweb x https://elastic x myflaskweb x environment x +

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environment/configuration?applic...

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Cancel Review changes Apply configuration Table View

Search for an option name or value

Category	Options	Actions
Software	Environment properties: PYTHONPATH Log streaming: disabled NumProcesses: 1 NumThreads: 15 Proxy server: nginx Rotate logs: disabled WSGIPath: application X-Ray daemon: disabled	Edit
Instances	EC2 security groups: awseb-e-7lkg13ar5d-stack-AWSEBSecurityGroup-39JUGC8MSXSG IMDSv1: enabled IOPS: container default Monitoring interval: 5 minute Root volume type: container default Size: container default	Edit

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Myflaskwebapp-env - Config... MyFlaskWebApp - File Mana... application.py - MyFlaskWeb...

1:39

flask - Google x 127.0.0.1:50 x Myflaskweb x https://elastic x myflaskweb x environment x +

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environment/configuration?applic...

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Retention

7 days

Lifecycle

Keep logs after terminating environment

Environment properties

The following properties are passed in the application as environment properties. [Learn more](#)

Name	Value
PYTHONPATH	/var/app/venv/staging-LQM1test/t

Cancel Continue Apply

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Myflaskwebapp-env - Config... MyFlaskWebApp - File Mana... application.py - MyFlaskWeb...

1:51

flask - Google x 127.0.0.1:5000 x Myflaskweb x https://elastic x myflaskweb x environment x +

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environment/configuration?applic...

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days

Lifecycle

Keep logs after terminating environment

Environment properties

The following properties are passed in the application as environment properties. [Learn more](#)

Name	Value
PYTHONPATH	/var/app/venv/staging-LQM1test/t
DATABASE_NAME	MYFLASKWEBAPPD

Cancel Continue **Apply**

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Myflaskwebapp-env - Config... MyFlaskWebApp - File Mana... application.py - MyFlaskWeb...

2:35

flask - Google x 127.0.0.1:5000 x Myflaskweb x https://elastic x myflaskweb x environment x +

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environment/dashboard?applicati...

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Elastic Beanstalk > Environments > Myflaskwebapp-env

Elastic Beanstalk is updating your environment.

To cancel this operation select **Abort Current Operation** from the Actions dropdown. [View Events](#)

Myflaskwebapp-env

Myflaskwebapp-env.eba-sabasaga.us-east-2.elasticbeanstalk.com (e-7lkgi3ar5d)

Application name: myFlaskWebApp

Refresh Actions

Health

Severe

Causes

Running version

bug_1

Upload and deploy

Platform

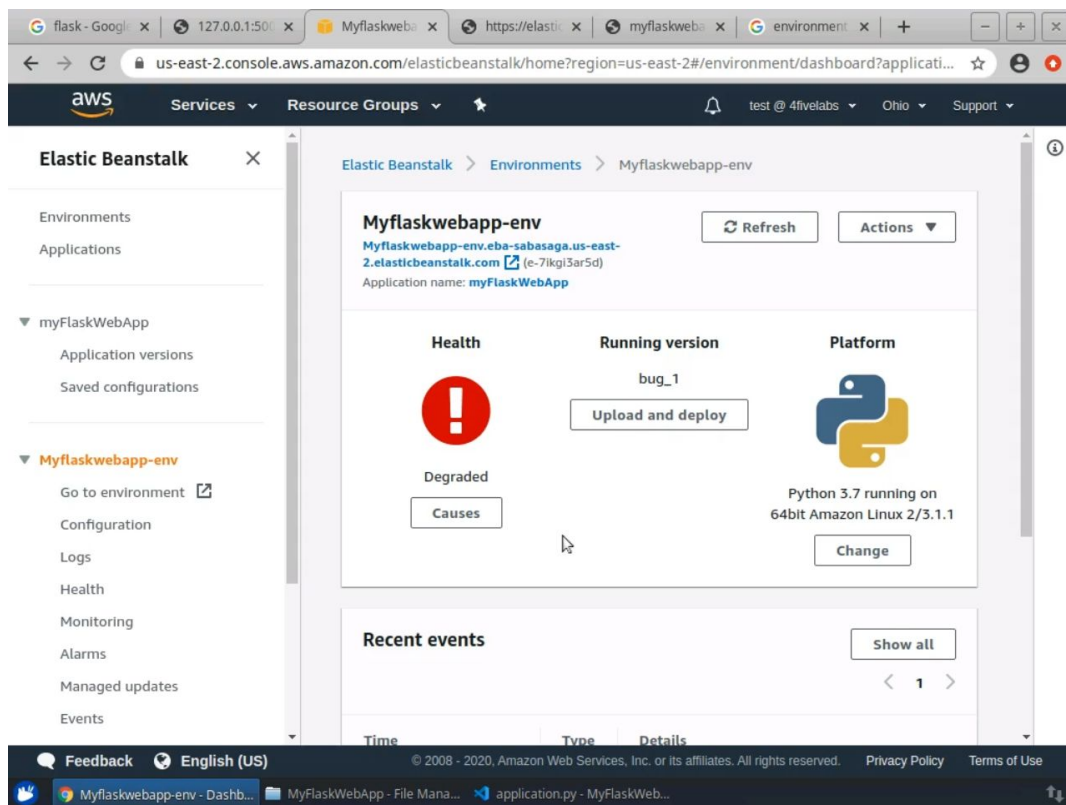
Python 3.7 running on 64bit Amazon Linux 2/3.1.1

Change

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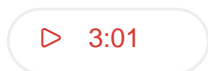
Myflaskwebapp-env - Dashb... MyFlaskWebApp - File Mana... application.py - MyFlaskWeb...

2:42



the degraded health is due to buggy_code

don't worry ...



how to access environmental_variables using a python code base??

for that open vs_code



The screenshot shows the Visual Studio Code interface with a Python file named `application.py` open. The Explorer sidebar on the left shows the project structure with files like `requirements.txt`, `application.py`, `bug_1.zip`, `requirements.txt`, and `version_1.zip`. The main editor displays the following code in `application.py`:

```
1 from flask import Flask
2 import os
3 application = Flask(__name__)
4
5 @application.route('/')
6 def hello_world():
7     db_name = os.environ['DATABASE_NAME']
8     return "Hello World"
9
10 if __name__ == '__main__':
11     application.run()
```

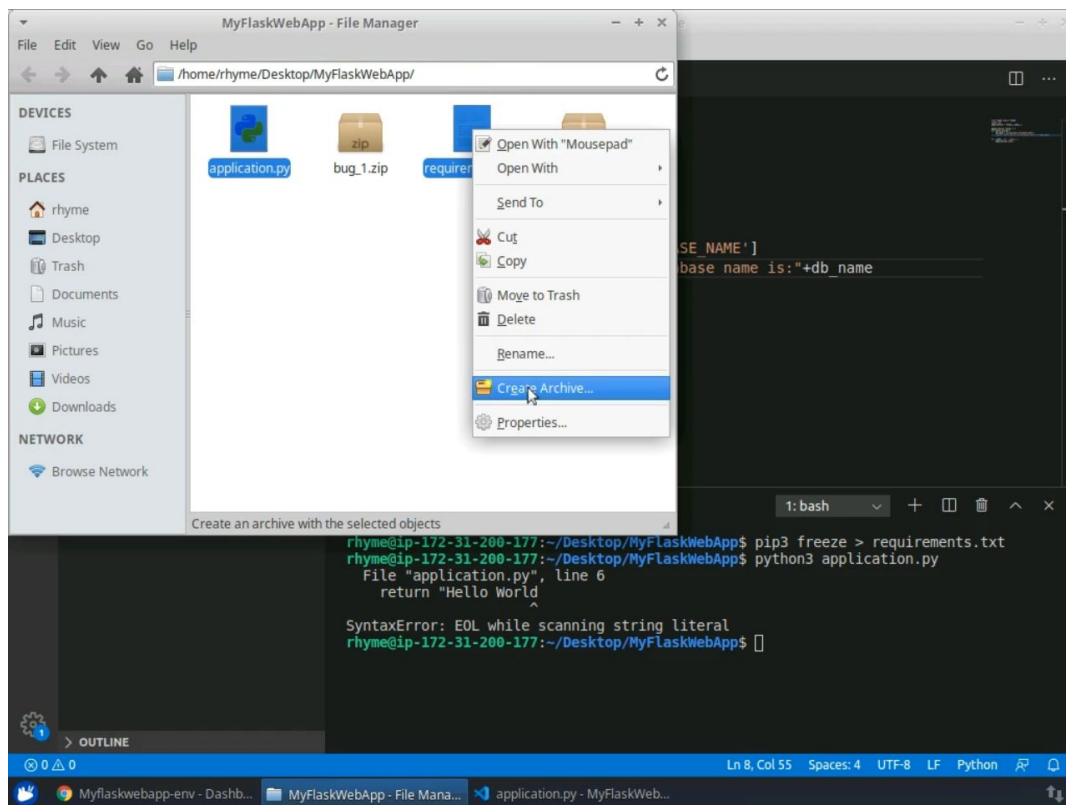
The terminal at the bottom shows the execution of `pip3 freeze > requirements.txt` and `python3 application.py`. It reports a `SyntaxError: EOL while scanning string literal` at line 8, pointing to the closing quote of the `return` statement.

▶ 4:25

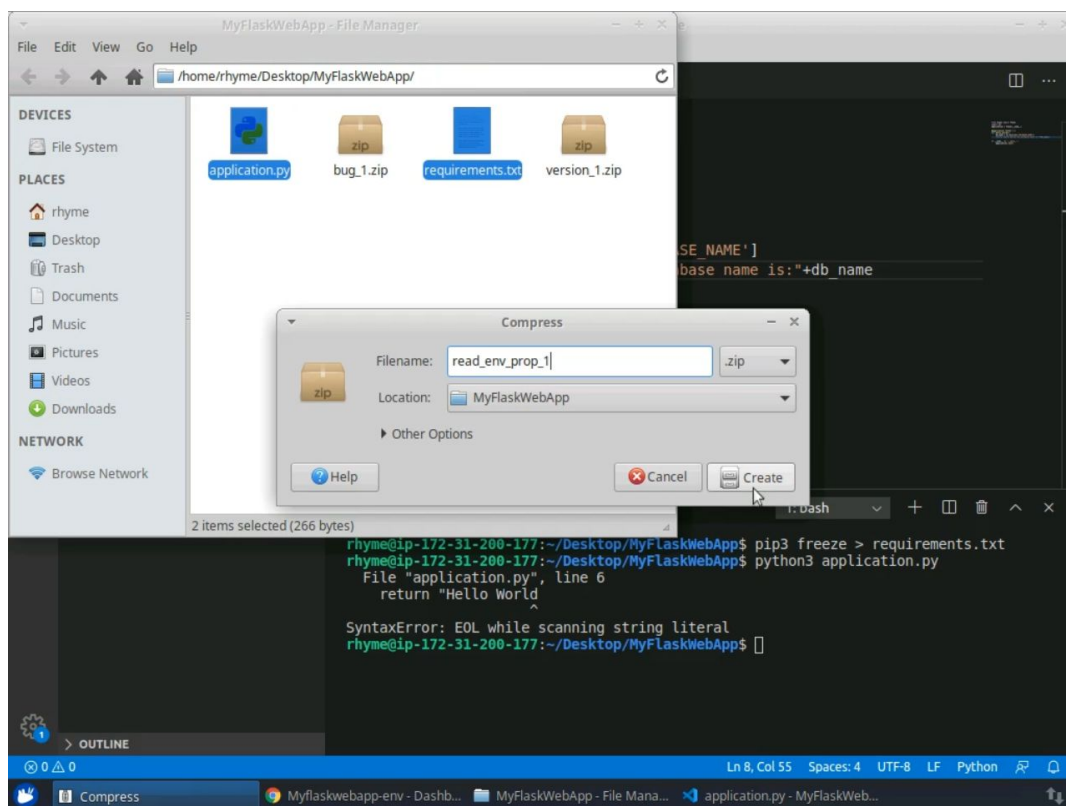
This screenshot is identical to the one above, showing the same code in `application.py` and the same terminal output. The error message in the terminal is:

```
SyntaxError: EOL while scanning string literal
rhyme@ip-172-31-200-177:~/Desktop/MyFlaskWebApp$
```

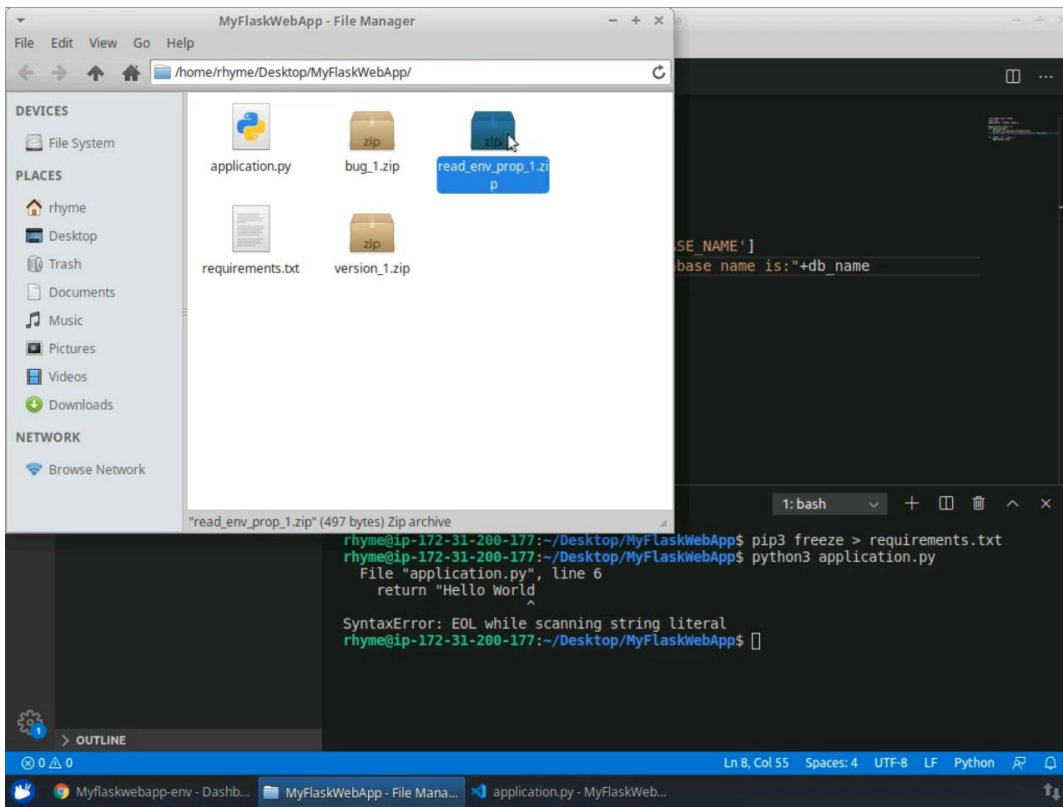
▶ 4:59



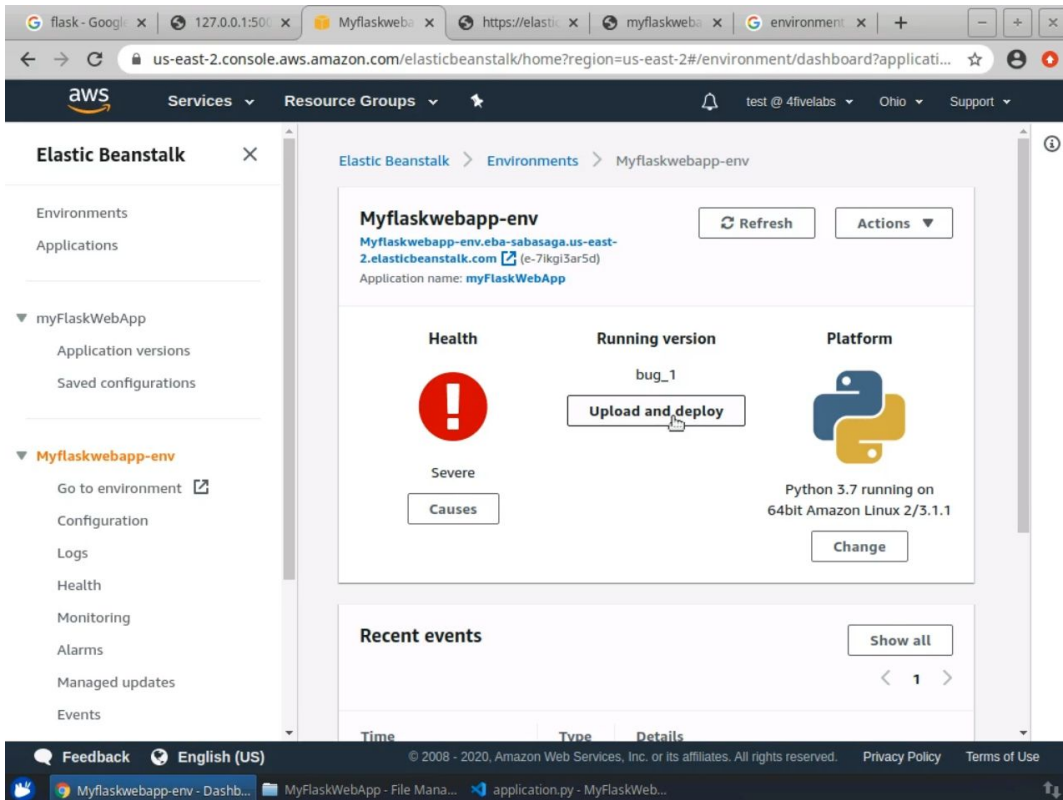
5:24



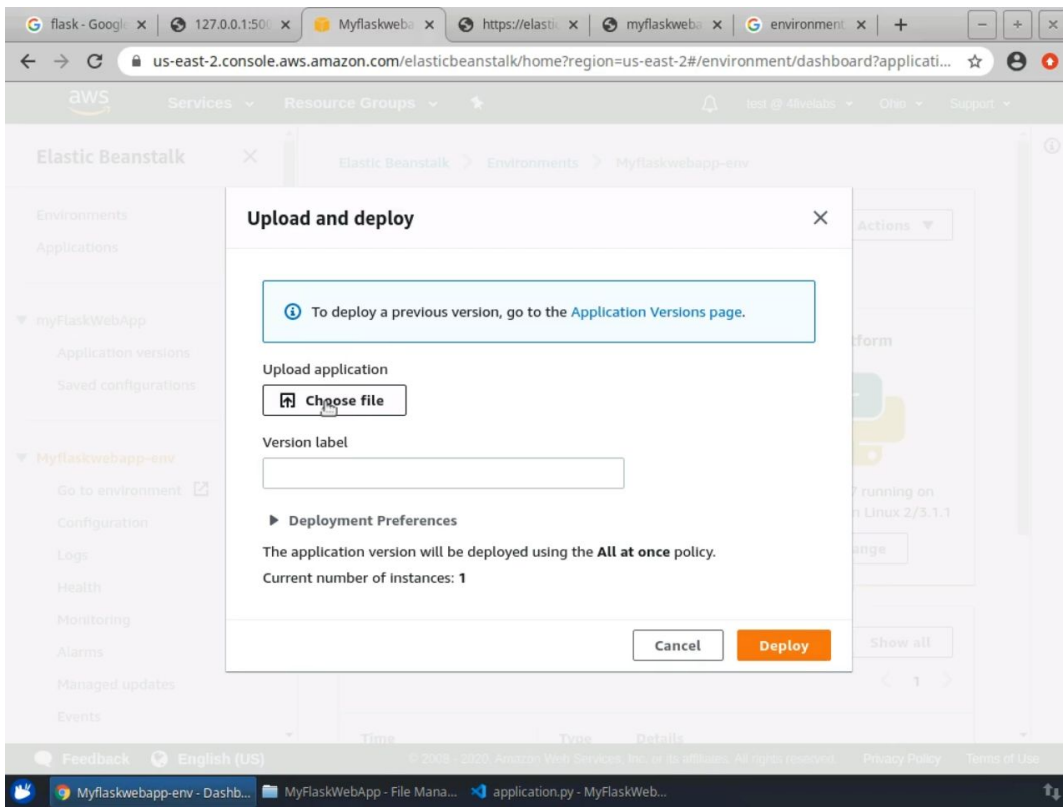
5:39



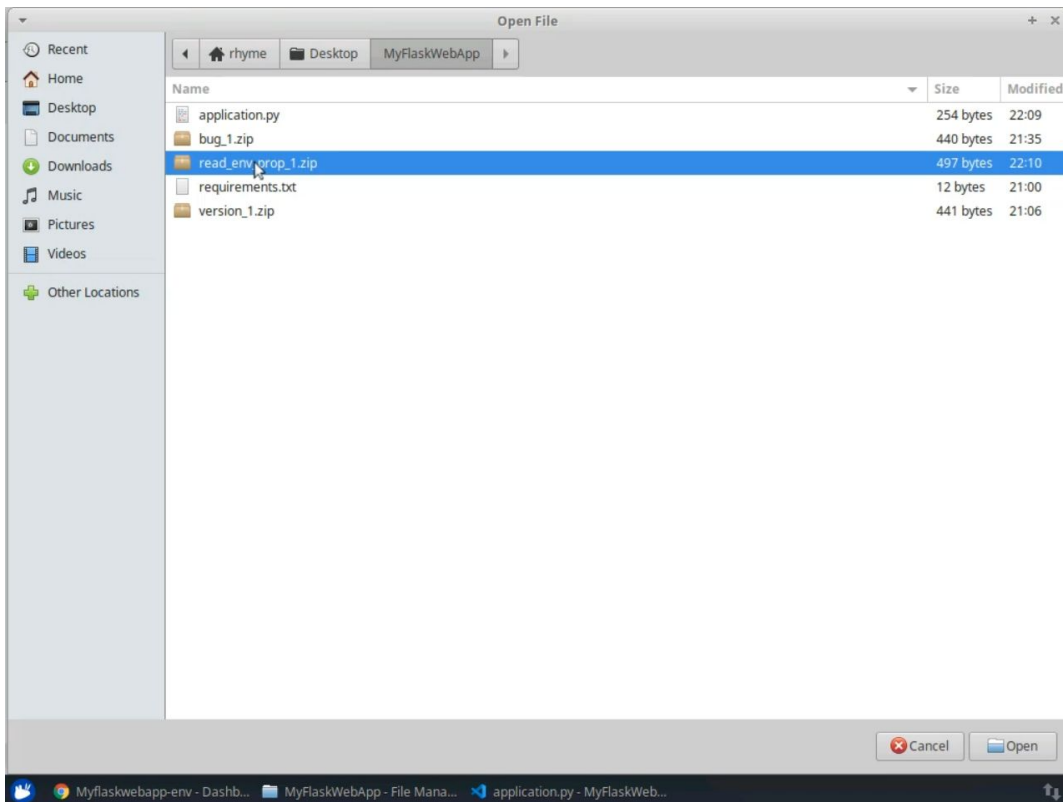
5:42



5:51



5:54



5:56